



Service/Product Provider

Cinergy Solutions

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Industrial Partner

Subaru of Indiana Automotive, Inc.

5500 State Road 38 East, Lafayette, IN 47903

Business: Automotive Manufacturer
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Cinergy Solutions' energy assessment of Subaru's automobile manufacturing plant identifies opportunities resulting in nearly \$90,000 in annual savings.

Project Scope

Cinergy Solutions reduced the plant's on-line compressed air horsepower by stabilizing the plant air at a lower pressure, configuring efficient compressed air arrangement, and reducing demand-side usage. This was accomplished via process retrofits to point of use.

Project Summary

Cinergy Solutions initially completed an energy assessment to discover savings opportunities for the Subaru facility. After determining which projects interested Subaru, Cinergy completed the engineering, including final scope, equipment, installation pricing, and project savings. Cinergy then delivered a total turnkey project to Subaru and guaranteed both the project scope and energy savings.

- **Energy Savings**
\$88,965 or 2,120,625 kWh /year, which equaled an 11.6% reduction in the compressed air system
- **Investment**
\$237,194
- **Financial Return**
2.7-year payback
- **Other Benefits**
Maintenance demand of the compressed air system reduced due to decreased run time, compressor life increased and reliability improved.

Monitoring & Verifying Energy Savings

During the detailed engineering process, pressure trending and amp draws were taken to determine the baseline for the retrofit. Comparisons after project implementation confirmed savings.

Distinguishing Value

The supplier displayed a high degree of professionalism, showed a real interest in the functions of the process, and maintained a presence at the site until all were satisfied with the finished product.